

| Ref # | Hits   | Search Query                          | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|--------|---------------------------------------|--|------------------|---------|---------------------|
| S1    | 174140 | image\$1 with (sensor or ccd or cmos) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/22<br>09:23 |
| S2    | 3173   | S1 same calibrat\$3                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>09:01 |
| S3    | 1603   | S1 with calibrat\$3                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:10 |
| S4    | 5      | S3 same (defect\$3 adj pixel)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/22<br>09:26 |
| S5    | 5      | S4 same (defect\$3 adj pixel)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:21 |
| S6    | 2      | S4 same sheet                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:23 |
| S7    | 0      | S4 same (white and black)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:24 |
| S8    | 2      | S4 same (white or light)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>17:00 |
| S9    | 2      | S4 same averag\$3                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:24 |
| S10   | 8493   | image\$1 with (cmos)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:43 |
| S11   | 73     | S10 same calibrat\$3                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2004/12/21<br>08:43 |

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|-----|--------|---|--|----|-----|---------------------|
| S12 | 12     | ("4381890"   "4473289"   "4739394"   "5541656"   "5619029"   "5701015"   "5740480"   "5781807"   "5808669"   "5818525"   "5821993"   "5918192").PN.             | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>08:50 |
| S13 | 5      | ("4754329"   "4928300"   "5574664"   "5606365"   "5633678").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>08:55 |
| S14 | 174140 | image\$1 with (sensor or ccd or cmos)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>09:01 |
| S15 | 12092  | S14 and calibrat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>09:02 |
| S17 | 60     | S16 and (defective adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:52    |
| S18 | 10     | ("5122881"   "5144447"   "5293240"   "5296696"   "5311319"   "5335008"   "5336879"   "5453783"   "5488415"   "5502488").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>09:19 |
| S19 | 8182   | S15 and (averag\$3 or ratio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>09:34 |
| S20 | 1166   | S14 and (accumulation adj time)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>09:34 |
| S21 | 34     | S20 and (defective adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>11:08 |
| S22 | 552    | S14 and (defective adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 10:16    |
| S23 | 286    | S22 and (dark or black)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>17:00 |
| S24 | 203    | S23 and (averag\$3 or ratio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 10:17    |
| S25 | 14     | ("2026376"   "4167754"   "4288817"   "4383170"   "4481539"   "4488178"   "4535363"   "4541016"   "4543601"   "4567524"   "4581649"   "4595954"   "4633317").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>10:20 |

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| S26 | 10     | ("3830972"   "4178510"   "4567525"   "4589028"   "4602291"   "4694342"   "5047863"   "5499114"   "5748768"   "5832055").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>10:42 |
| S27 | 9      | ("4216503"   "4602291"   "4698685"   "4833533"   "4835606"   "4839866"   "4894721"   "4912558"   "4920428").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 11:29    |
| S28 | 174140 | image\$1 with (sensor or ccd or cmos)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 14:58    |
| S29 | 3173   | S28 same calibrat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 16:57    |
| S30 | 174140 | image\$1 with (sensor or ccd or cmos)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 14:58    |
| S31 | 12092  | S30 and calibrat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 14:58    |
| S32 | 156    | S29 and (dark adj current)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:03    |
| S33 | 7      | S32 and (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:04    |
| S34 | 38     | S29 and (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:55    |
| S35 | 9      | ("4216503"   "4602291"   "4698685"   "4833533"   "4835606"   "4839866"   "4894721"   "4912558"   "4920428").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 15:13    |
| S36 | 12     | ("4216503"   "4314281"   "4534059"   "4590520"   "4601058"   "4602291"   "4628352"   "4633314"   "4639781"   "4660082"   "4698685"   "4701784").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 15:55    |
| S37 | 310    | scanner adj calibration   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:52    |
| S38 | 4      | S37 and (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 16:45    |

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| S39 | 0    | S36 and (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 15:55    |
| S40 | 5    | ("4193093"   "4253120"   "4343021"   "4376289"  <br>"4399464").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 16:01    |
| S41 | 3    | ("3904818"   "4032976"   "4189751").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>16:03 |
| S42 | 8493 | image\$1 with (cmos)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 16:44    |
| S43 | 97   | S42 and (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 16:57    |
| S44 | 17   | S43 and calibrat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 16:45    |
| S45 | 10   | ("5122881"   "5144447"   "5293240"   "5296696"   "5311319"  <br>"5335008"   "5336879"   "5453783"   "5488415"  <br>"5502488").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 16:52    |
| S46 | 1254 | image\$1 same (defect\$3 adj pixel)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:59    |
| S47 | 24   | S46 same calibrat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:19    |
| S48 | 282  | S46 same (white or light)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>18:02 |
| S49 | 119  | S48 same (dark or black)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>18:02 |
| S50 | 13   | S49 same averag\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:20    |

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| S51 | 510    | S46 same detect\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:19    |
| S52 | 39     | S51 same averag\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:20    |
| S53 | 212    | 348/246,247.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:59    |
| S54 | 84     | S53 and detect   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 17:59    |
| S55 | 187    | S53 and (white or light)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>18:02 |
| S56 | 120    | S55 and (dark or black)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21<br>18:50 |
| S57 | 4      | ("3904818"   "4443817"   "4481539"   "4488178").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21<br>18:08 |
| S58 | 14     | ("3800078"   "4216503"   "4343021"   "4486781"   "4602277"<br>  "4602291"   "4698685"   "4731661"   "4760464"  <br>"4839729"   "4903316"   "4912558"   "4970598"  <br>"4979042").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/21 18:47    |
| S59 | 77     | S56 and averag\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/21 18:59    |
| S60 | 3      | ((("6415063") or ("6529622") or ("6381374"))).PN.  | USPAT;<br>USOCR  | OR | OFF | 2004/12/22<br>08:21 |
| S61 | 5      | ("4858013"   "5047863"   "5617461"   "5790694"  <br>"6087673").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2004/12/22<br>08:29 |
| S62 | 174140 | image\$1 with (sensor or ccd or cmos)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>09:23 |
| S63 | 3173   | S62 same calibrat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>09:23 |

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| S64 | 131    | S63 same ratio                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>09:27 |
| S65 | 365    | S62 same (defect\$3 adj pixel)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>09:26 |
| S66 | 12     | S65 same ratio                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>09:27 |
| S67 | 174140 | image\$1 with (sensor or ccd or cmos) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>11:08 |
| S68 | 552    | S67 and (defective adj pixel)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:31    |
| S69 | 184    | S68 and ratio                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:34    |
| S70 | 305    | S67 same (defective adj pixel)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:16    |
| S71 | 8      | S70 same ratio                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:16    |
| S72 | 1360   | image\$1 adj ratio                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:16    |
| S73 | 2      | S72 same (defective adj pixel)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:19    |
| S74 | 4164   | image\$1 with variance                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:19    |

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| S75 | 1   | S74 same (defective adj pixel) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:19    |
| S76 | 80  | S67 and (dead adj pixel)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:31    |
| S77 | 49  | S76 and (ratio or difference)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22 11:35    |
| S78 | 41  | S76 and ratio                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>12:02 |
| S79 | 478 | pixel-adj ratio                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>12:03 |
| S80 | 91  | S79 and (first adj image)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>12:04 |
| S81 | 56  | S80 and (second adj image)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>12:05 |
| S82 | 7   | S79 same (first adj image)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>12:05 |
| S83 | 5   | S82 same (second adj image)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2004/12/22<br>14:06 |
| S84 | 1   | ("5886353").PN.                | USPAT;<br>USOCR  | OR | OFF | 2004/12/22 15:11    |
| S86 | 371 | white adj calibrat\$3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 10:59    |
| S88 | 132 | black adj calibrat\$3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 10:59    |

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| S89  | 59   | S86 and S88                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 10:59    |
| S90  | 17   | S89 and sheet                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29<br>09:36 |
| S91  | 1898 | 358/406,443,463.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 11:00    |
| S92  | 2912 | white near (calibrat\$3 or correct\$3)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:42    |
| S93  | 1874 | black near (calibrat\$3 or correct\$3)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 11:00    |
| S95  | 483  | S93 and "358"/\$.ccls.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 11:00    |
| S96  | 173  | S92 and S93 and "358"/\$.ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 11:24    |
| S97  | 927  | 358/461,464.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 11:24    |
| S98  | 15   | (S92 same S93) and S97                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 12:04    |
| S99  | 13   | cmos same sensor same (accumulation adj time) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 12:06    |
| S100 | 881  | sensor same (accumulation adj time)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 12:07    |



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| S101 | 62  | S100 and cmos                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 12:18 |
| S102 | 4   | black near3 (accumulation adj time)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 12:19 |
| S103 | 70  | (white or black) with (accumulation adj time)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:26 |
| S104 | 8   | adaptive near3 (charg\$3 or accumulat\$3) adj time | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:02 |
| S105 | 272 | 348/243.ccls.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:07 |
| S106 | 22  | S105 and (charg\$3 or accumulat\$3) adj time       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:07 |
| S107 | 211 | 348/251.ccls.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:07 |
| S108 | 4   | S107 and (charg\$3 or accumulat\$3) adj time       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 15:52 |
| S109 | 234 | 348/297.ccls.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:13 |
| S110 | 15  | S109 and (white same black)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:58 |
| S111 | 245 | 348/246-247.ccls.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:51 |

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| S112 | 1   | S111 and S109  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:52 |
| S113 | 12  | S111 and accumulation adj time   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:09 |
| S114 | 99  | S109 and (white or bright or light) same (dark or black or dim)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 14:59 |
| S115 | 22  | (defective adj pixel) same ((integrat\$3 or charg\$3 or accumul\$3) adj time)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 15:53 |
| S116 | 48  | (white near (calibrat\$3 or correct\$3)) same saturation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 15:48 |
| S117 | 3   | (white near (calibrat\$3 or correct\$3)) same ((integrat\$3 or charg\$3 or accumul\$3) adj time) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 16:28 |
| S118 | 254 | sensor same discharge same white   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 16:35 |
| S119 | 74  | sensor with discharg\$3 with white   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 16:35 |
| S120 | 0   | (white adj signal) same (accumulat\$3 adj time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:10 |
| S121 | 4   | (white near signal) same (accumulat\$3 adj time)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:10 |
| S122 | 1   | (white near calibration) same (accumulation adj time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/29 17:12 |

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| S123 | 2     | (white near calibration) and (accumulation adj time)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 17:48    |
| S124 | 472   | white near (calibrat\$3 or correct\$3) same time   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 17:42    |
| S125 | 2     | white near (calibrat\$3 or correct\$3) same (accumulation adj time)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 17:43    |
| S126 | 3     | white near (calibrat\$3 or correct\$3) same ((accumulat\$3 or charg\$3 or integrat\$3) adj time) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29<br>18:28 |
| S127 | 21    | (white near calibration) and (dark adj current)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/30<br>09:52 |
| S128 | 1     | ("4129853").PN.  | USPAT;<br>USOCR  | OR | OFF | 2005/11/29 17:54    |
| S129 | 17    | automatic same (white adj calibration)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 17:59    |
| S130 | 1     | (automatic same (white adj calibration)) and ((dark adj current) or (accumulation adj time))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/30 10:19    |
| S131 | 42065 | white and accumulation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29<br>18:28 |
| S132 | 4094  | S131 and (cmos or ccd)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29 18:29    |
| S133 | 3337  | white same accumulation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/29<br>18:28 |
| S134 | 283   | S133 and (cmos or ccd)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/30 10:57    |

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| S135 | 511 | white same (dark adj current)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>09:52 |
| S136 | 179 | white same (dark adj current) same black                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>09:57 |
| S137 | 50  | white same (dark adj current) same black same time                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>10:08 |
| S138 | 272 | 348/243.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>10:08 |
| S139 | 18  | S138 and (white same black same time)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>10:08 |
| S140 | 18  | S138 and (accumulation adj time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 11:39    |
| S143 | 6   | US-20010030704-A1.DID. US-20010038065-A1.DID.<br>US-20020012057-A1.DID. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>10:29 |
| S144 | 108 | photodiode same accumulation adj time                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30<br>10:58 |
| S145 | 332 | (dark adj current) same shad\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 11:39    |
| S146 | 188 | cmos and (accumulation adj time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 11:39    |
| S147 | 15  | cmos same (accumulation adj time)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 11:39    |

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| S148 | 204 | (white near (calibrat\$3 or correct\$3)) same (sheet or board) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/30 15:49 |
|------|-----|--|--|----|----|------------------|